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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/785,514
		Filing Date	February 16, 2001
		First Named Inventor	FAN et al.
		Group Art Unit	1634
		Examiner Name	Chakrabarti, A.
Sheet 2 of 2	Attorney Docket Number	A-68970-1/DJB/RMS/DCF	

Sheet		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. PATENT DOCUMENTS		U.S. 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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Office ¹	Number ¹	Kind Code ² (if known)				
W	30	WO	97/46704	A1	Lynx Therapeutics Inc.	12/1997		
	31	WO	98/04746	A1	Mount Sinai School of Medicine of the City University of New York	02/1998		
	32	WO	98/13523	A1	Pyrosc-Quencing AB	04/1998		
	33	WO	98/31836	A1	Hyseq Inc.	07/1998		
	34	WO	99/39001	A2	Amersham Pharmacia Biotech	08/1999		
	35	WO	99/64867	A1	Amersham Pharmacia Biotech	12/1999		
	36	WO	00/58516	A2	whitehead Institute for Biomedical Research	10/2000		
2	37	WO	00/71992	A1	Illumina Inc.	11/2000		

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

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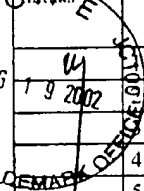
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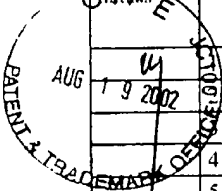
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known		
				Application Number	09/785,514	
Sheet		1	of	3	Attorney Docket Number	A-68970-1/DJB/RMS/DCF
					Filing Date	February 16, 2001
					First Named Inventor	FAN et al.
					Group Art Unit	1634
					Examiner Name	Chakrabarti, A.

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1	5,494,810		Barany et al.	02/1996	
	2	5,604,097		Brenner	02/1997	
	3	5,763,175		Brenner	06/1998	
	4	5,780,231		Brenner	07/1998	
	5	5,795,714		Cantor et al.	08/1998	
	6	5,830,711		Barany et al.	11/1998	
	7	5,856,083		Chelsky et al.	01/1999	
	8	5,858,732		Solomon et al.	01/1999	
	9	5,976,797		Mitsubishi	11/1999	
	10	6,013,456		Akhavan-Tafii	01/2000	
	11	6,027,889		Barany et al.	02/2000	
	12	6,051,380		Sosnowski et al.	04/2000	
	13	6,054,564		Barany et al.	04/2000	
	14	6,083,763		Balch	07/2000	
	15	6,096,496		Frankel	08/2000	

FOREIGN PATENT DOCUMENTS							
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	16	WO	93/25563	A1	City of Hope	12/1993	
	17	WO	94/02515	A1	Bunsen Rush Laboratories Inc.	02/1994	
	18	WO	95/21271	A1	Molecular Tool Inc.	08/1995	
	19	WO	95/16918	A1	Combichem Inc.	06/1995	
	20	WO	96/15271	A1	Abbott Laboratories	05/1996	
	21	WO	96/30392	A1	Ciba-Geigy AG	10/1996	
	22	WO	97/31256	A2	Cornell Research Foundation, Inc.	08/1997	
	23	WO	97/45559	A1	Cornell Research Foundation, Inc.	12/1997	

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(use as many sheets as necessary)			Examiner Name	Chakrabarti, A.
Sheet	3	3	Attorney Docket Number	A-68970-1/DJB/RMS/DCF

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Sheet 1 of 5

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Filing Date February 16, 2001
First Named Inventor JIAN-BING FAN
Group Art Unit NOT YET ASSIGNED
Examiner Name NOT YET ASSIGNED
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		Number	Kind Code ² (if known)			
✓	1	4,200,110	—	Peterson et al.	4/1980	
✓	2	4,499,052	—	Fulwyler	2/1985	
✓	3	4,682,895	—	Costello	7/1987	
✓	4	4,785,814	—	Kane	11/1988	
✓	5	4,822,746	—	Walt	4/1989	
✓	6	4,824,789	—	Yafuso et al.	4/1989	
✓	7	4,999,306	—	Yafuso et al.	3/1991	
✓	8	5,002,867	—	Macevicz	3/1991	
✓	9	5,028,545	—	Soini	7/1991	
✓	10	5,105,305	—	Betzig et al.	4/1992	
✓	11	5,114,864	—	Walt	5/1992	
✓	12	5,132,242	—	Cheung	7/1992	
✓	13	5,143,853	—	Walt	9/1992	
✓	14	5,194,300	—	Cheung	3/1993	
✓	15	5,244,636	—	Walt et al.	9/1993	

FOREIGN PATENT DOCUMENTS

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✓	16	EP	0 269 764	—		6/1988		
✓	17	EP	0 392 546	—		10/1990		
✓	18	EP	0 478 319	—		4/1992		
✓	19	EP	0 723 146	—		7/1996		
✓	20	WO	89/11101	—		11/1989		
✓	21	WO	93/02360	—		2/1993		
✓	22	WO	96/03212	—		2/1996		
✓	23	WO	97/14028	—		4/1997		
✓	24	WO	97/14928	—		4/1997		
✓	25	WO	97/40385	—		10/1997		
✓	26	WO	98/40726	—		9/1998		

Examiner Signature

Arun Kr. Chakraborti

Date Considered

4/8/02

by 3/04

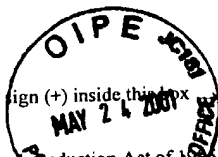
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Substitute for form PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	09/785,514
		Filing Date	February 16, 2001
		First Named Inventor	JIAN-BING FAN
		Group Art Unit	NOT YET ASSIGNED
		Examiner Name	NOT YET ASSIGNED
Sheet 2 of 5	Attorney Docket Number	A-68970-1/DJB/RMS/DCF	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
✓	27	5,244,813		Walt et al.	9/1993	
✓	28	5,250,264		Walt et al.	10/1993	
✓	29	5,252,494		Walt	10/1993	
✓	30	5,254,477		Walt	10/1993	
✓	31	5,298,741		Walt et al.	3/1994	
✓	32	5,302,509		Cheeseman	4/1994	
✓	33	5,320,814		Walt et al.	6/1994	
✓	34	5,357,590		Auracher	10/1994	
✓	35	5,380,489		Sutton et al.	1/1995	
✓	36	5,435,724		Goodman et al.	7/1995	
✓	37	5,474,895		Ishii et al.	12/1995	
✓	38	5,481,629		Tabuchi	1/1996	
✓	39	5,494,798		Gerdt et al.	2/1996	
✓	40	5,496,997		Pope	3/1996	
✓	41	5,512,490		Walt et al.	4/1996	
✓	42	5,516,635		Ekens et al.	5/1996	
✓	43	5,565,324		Still et al.	10/1996	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ³	Number ⁴	Kind Code ² (if known)			
✓	44	WO	98/50782			11/1998	
✓	45	WO	98/53093			11/1998	
✓	46	WO	98/53300			11/1998	
✓	47	WO	99/18434			4/1999	
✓	48	WO	99/60170			11/1999	
✓	49	WO	99/67414			12/1999	
✓	50	WO	99/67641			12/1999	
✓	51	WO	00/04372			1/2000	
✓	52	WO	00/13004			3/2000	

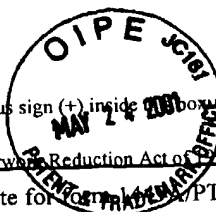
Examiner Signature	Annu kr. Chakrabarti	Date Considered	4/8/02
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Application Number	09/785,514
Filing Date	February 16, 2001
First Named Inventor	JIAN-BING FAN
Group Art Unit	NOT YET ASSIGNED
Examiner Name	NOT YET ASSIGNED
Attorney Docket Number	A-68970-1/DJB/RMS/DCF

Sheet 3 of 5

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		Number	Kind Code ² (if known)			
AC	53	5,573,909	—	Singer et al.	11/1996	
	54	5,575,849	—	Honda et al.	11/1996	
	55	5,633,972	—	Walt et al.	5/1997	
	56	5,639,603	—	Dower et al.	6/1997	
	57	5,656,241	—	Seifert et al.	8/1997	
	58	5,690,894	—	Pinkel et al.	11/1997	
	59	5,814,524	—	Walt	10/1998	
	60	5,840,256	—	Demers et al.	11/1998	
	61	5,854,684	—	Stabile et al.	12/1998	
	62	5,863,708	—	Zanzucchi et al.	1/1999	
	63	5,888,723	—	Sutton et al.	3/1999	
	64	5,900,481	—	Lough et al.	5/1999	
	65	6,023,540	—	Walt et al.	2/2000	
	66	5,518,883	—	Soini	5/1996	
	67	5,632,957	—	Heller et al.	5/1997	
	68	5,679,524	—	Nikiforov et al.	10/1997	

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		Office ³	Number ⁴	Kind Code ² (if known)				
	69	WO	00/16101	—		3/2000		
	70	WO	00/39587	—		7/2000		
	71	WO	00/47996	—		8/2000		
	72	WO	00/48000	—		9/2000		
	73	WO	00/63437	—		10/2000		
	74	WO	00/71243	—		11/2000		
	75	WO	00/71995	—		11/2000		
	76	WO	00/75373	—		12/2000		

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Annu kr. Chakrabarti

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/785,514
		Filing Date	February 16, 2001
		First Named Inventor	JIAN-BING FAN
		Group Art Unit	NOT YET ASSIGNED
		Examiner Name	NOT YET ASSIGNED
Sheet	4	of	5
		Attorney Docket Number	A-68970-1/DJB/RMS/DCF

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
hAC	77	Abel et al., "Fiber-Optic Evanescent Wave Biosensor for the Detection of Oligonucleotides," Anal. Chem. 68:2905-2912 (1996).	
	78	Anonymous, "Microsphere Selection Guide," Bandg Laboratories, (Fisher, IN) September 1998.	
	79	Anonymous, "Fluorescent Microspheres," Tech. Note 19, Bang Laboratories, (Fishers, IN) February 1997.	
	80	Bangs, L.B., "Immunological Applications of Microspheres," The Latex Course, Bangs Laboratories (Carmel, IN) April 1996.	
	81	Barnard et al., "A Fibre-Optic Chemical Sensor with Discrete Sensing Sites," Nature, 353:338-340 (September 1991).	
	82	Chen et al., "A Microsphere-Based Assay for Multiplexed Single Nucleotide Polymorphism Analysis Using Single Base Chain Extension," Genome Research, 10(4):549-557 (2000).	
	83	Czarnik, "Illuminating the SNP Genomic Code," Modern Drug Discovery, 1(2): 49-55 (1998).	
	84	Drmanac, R. et al., "Sequencing by Oligonucleotide Hybridization: A Promising Framework in Decoding of the Genome Program," The First International Conference on Electrophoresis, Supercomputing and the Human Genome, Proceeding os th April 10-13, 1990 Conference at Florida State University. Ed. C. Cantor and H. Lim.	
	85	Drmanac, R. et al., "Prospects for a Miniaturized, Simplified and Frugal Human Genome Project," Scientia Yugoslavica, 16(1-2):97-107 (1990).	
	86	Drmanac, R. et al., "Sequencing by Hybridization (SBH) with Oligonucleotide Probes as an Integral Approach for the Analysis of Complex Genomes," International Journal of Genome Research, 1(1):59-79 (1992).	
	87	Drmanac, R. et al., "Sequencing by Hybridization," Automated DNA Sequencing and Analysis, ed. M. Adams, C. Fields and J. Venter. (1994).	
	88	Ferguson et al., "A Fiber-Optic DNA Biosensor Microarray for the Analysis of Gene Expression," Nature Biotechnology, 14:1681-1684 (1996).	
	89	Fuh et al., "Single Fibre Optic Fluorescence pH Probe," Analyst, 112:1159-1163 (1987).	
	90	Healey et al., "Improved Fiber-Optic Chemical Sensor for Penicillin," Anal. Chem. 67(24):4471-4476 (1995).	
	91	Healey et al., "Development of a Penicillin Biosensor Using a Single Optical Imaging Fiber," SPIE Proc. 2388:568-573 (1995).	
	92	Healey et al., "Fiberoptic DNA Sensor Array Capable of Detecting Point Mutations," Analytical Biochemistry, 251:270-279 (1997).	
	93	Hirschfeld et al., "Laser-Fiber-Optic "Optrode" for Real Time In Vivo Blood Carbon Dioxide Level Monitoring," Journal of Lightwave Technology, LT-5(7):1027-1033 (1987).	
hAC	94	Iannone et al., "Multiplexed Single Nucleotide Polymorphism Genotyping by Oligonucleotide Ligation and Flow Cytometry," Cytometry, 39:131-140 (2000).	

Examiner Signature	Arjun K. Chakrabarti	Date Considered	4/8/02 m 3/04
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Sheet	5	of	5
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

[illegible]

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